

Reading #1

Horses' Ability to Pace Is Written in DNA

1. What is the function of DMRT3 in horses?

Reading #2

Revisiting FoxP2 and the origin of language

1. What is the function of FoxP2 in humans?
2. What animals have FoxP2 gene?
3. What are the number of amino acid difference between humans and chimps?

Reading #3

Humans have a magnetic sensor in our eyes, but can we detect magnetic fields?

1. What is the function of Cryptochrome2 gene in insects (butterfly)?
2. Can humans sense magnetic field ? based on this article.

Reading#4

Scientists Rethinking Nature of Animal Memory

1. What is the experiment that show scrub jays have episodic memory
2. Name one experiment to show chimpanzee's memory.

Reading#5

As genes learn tricks, animal lifestyles evolve

1. How do pit vipers or rattlesnakes detect their prey at night?
2. What does TRPA1 gene do in pit vipers?
3. How does vampire bat detect their prey?

Reading #6

The fattest ape

1. Why do humans are the fattest ape?
2. In this article, why did humans outcompete Neanderthals and survived through the ice age?

Reading #7

Optix gene and wing mimicry

1. What does Optix gene do in the butterfly?
2. Define what is Mullerian mimicry?